

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows. A clean version is also attached hereto.

Abstract

~~Thermostat~~ A thermostat valve arrangement for the cooling circuit of an internal combustion engine in which includes a main valve member of a main valve is movably mounted in a housing which may be adapted to be pressed against a main valve seat by a spring. The valve arrangement further includes, in which a bypass valve member of a bypass valve is further provided which co-operates cooperating with a bypass valve seat in the housing, and in which a first section of an An expansion element (DWE) has a first section co-operates cooperating with an abutment fixed to the housing and a second section co-operates cooperating with the main valve member and the bypass valve member such that the main valve or bypass valve is selectively closed and/or opened, in order to produce the cooling circuit of the internal combustion engine by means of a radiator or a bypass, the main valve seat being formed by a conical seat surface in the housing, the main valve member forming a valve unit with an axially spaced piston shaped bypass valve member, which valve unit receives the expansion element in an axial recess in one direction in an axially secure manner, whilst the other end of the expansion element is supported by an abutment of the housing, the valve unit is displaceably and axially guided in a guide component which, in turn, is axially supported in the housing, a valve spring operating between the valve unit and the guide component, which valve spring biases the unit in the direction of the main valve seat and the valve unit and the guide component comprising co-operating stops, by means of which the movement of the parts away from each other is limited and the piston shaped bypass valve member co-operates with a hollow cylindrical section of the guide component.

Abstract

A thermostat valve arrangement for the cooling circuit of an internal combustion engine includes a main valve member movably mounted in a housing adapted to be pressed against a main valve seat by a spring. The valve arrangement further includes a bypass valve member cooperating with a bypass valve seat in the housing. An expansion element has a first section cooperating with an abutment fixed to the housing and a second section cooperating with the main valve member and the bypass valve member such that the main valve or bypass valve is selectively closed and/or opened, in order to produce the cooling circuit of the internal combustion engine by means of a radiator or a bypass.